

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 02/20/2017 10:51 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125041	0	2.00	125090	2.03
Blue	C	SSC	125000	123370	-2	3.42	124571	3.47
Blue	B	Alexa Fluor 488	24259	23777	-2	2.99	589	16.44
Blue	A	PerCP	32944	33145	0	4.69	906	21.77
Red	C	Alexa Fluor 647	25168	25155	-1	4.61	683	22.93
Red	B	APC-Alexa 700	79842	80732	1	3.45	2229	10.17
Red	A	APC-Cy7	70914	71707	1	4.42	1815	18.19
561 Yellow-Green	E	DsRed	93811	94177	0	2.17	2446	8.58
561 Yellow-Green	D	PE-Texas Red	71426	71411	-1	2.72	1702	13.97
561 Yellow-Green	C	7-AAD	77597	77294	-1	2.86	2250	14.75
561 Yellow-Green	B	PE-Cy5-5	73870	72961	-2	3.09	2134	11.97
561 Yellow-Green	A	PE-Cy7	22072	21160	-5	5.63	512	16.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16291	3.40	334	-1	N/A	N/A	Pass
Blue	C	SSC	64160	2.92	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	43.61	585	-1	0.0240	0	Pass
Blue	A	PerCP	145	59.54	634	1	0.0043	242	Pass
Red	C	Alexa Fluor 647	127	53.80	605	2	0.0064	36	Pass
Red	B	APC-Alexa 700	472	21.27	629	7	0.0056	0	Pass
Red	A	APC-Cy7	386	40.51	687	8	0.0020	264	Pass
561 Yellow-Green	E	DsRed	535	19.18	666	-2	0.3889	0	Pass
561 Yellow-Green	D	PE-Texas Red	341	32.66	637	-2	0.0287	10	Pass
561 Yellow-Green	C	7-AAD	418	36.45	728	-4	0.0288	44	Pass

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561 Yellow-Green	B	PE-Cy5-5	419	30.42	663	-2	0.0245	290	Pass
561 Yellow-Green	A	PE-Cy7	110	35.74	492	0	0.0188	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Laser Settings

Laser	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Red	-73.20	-72.32	1.03
561 Yellow-Green	-38.15	-37.29	0.99
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11064

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.84
Nozzle Size: 100

Comments